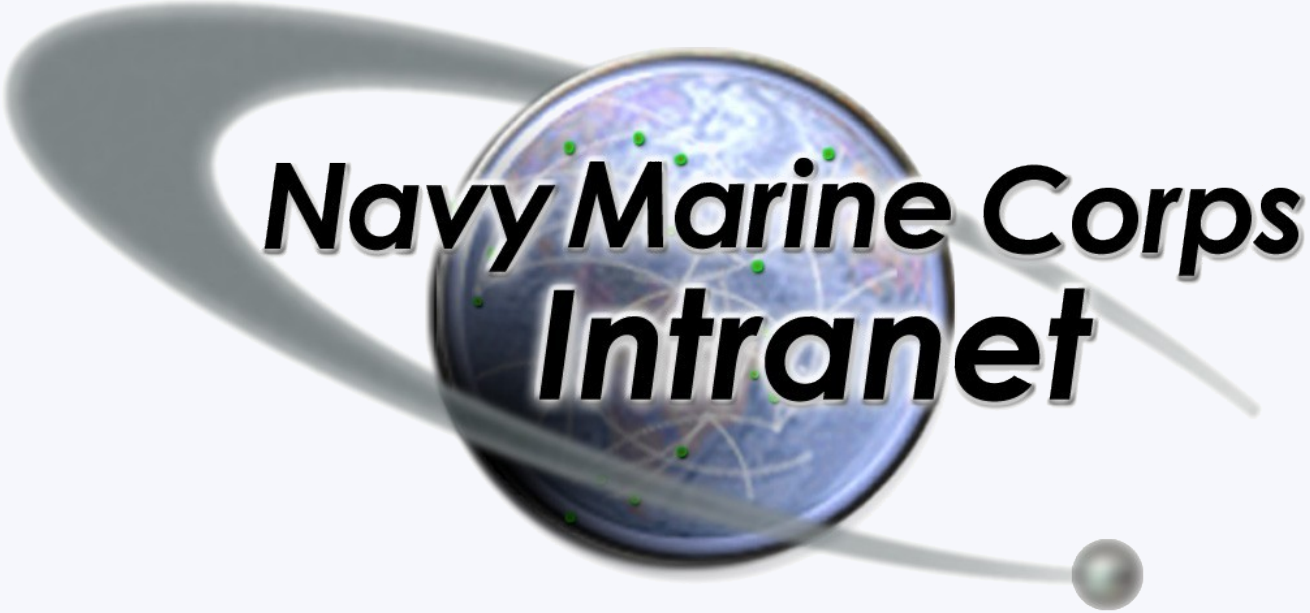


NMCI

November 13, 2002

Presented by

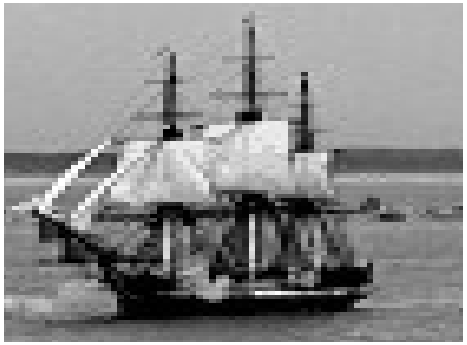
Mark Lavoie

Office of the Director, Navy Marine Corps Intranet

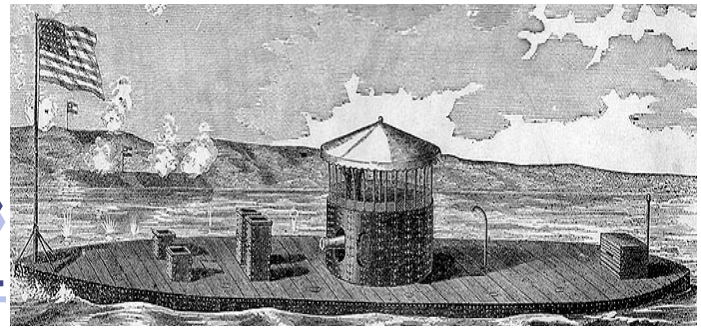
What is NMCI?

A transformational enabler...

- Culture
- Technical
- Management



Sail



Steam

...through enterprise level improvements in:

- Security
- Interoperability
- Knowledge sharing
- Productivity
- Reliability
- Cost

NMCI At A Glance

- NMCI Contract
  - Services contract (awarded 6 Oct 00; $6.9B value)
  - Performance based
  - Information Strike Force (ISF) Team (prime), with partners:

- Status
  - ISF currently operating 60K “as-is” seats
  - Network Operating Centers up and operating at Norfolk, San Diego and Hawaii
  - Several thousand seats rolled out to date
  - Proof of Concept testing underway

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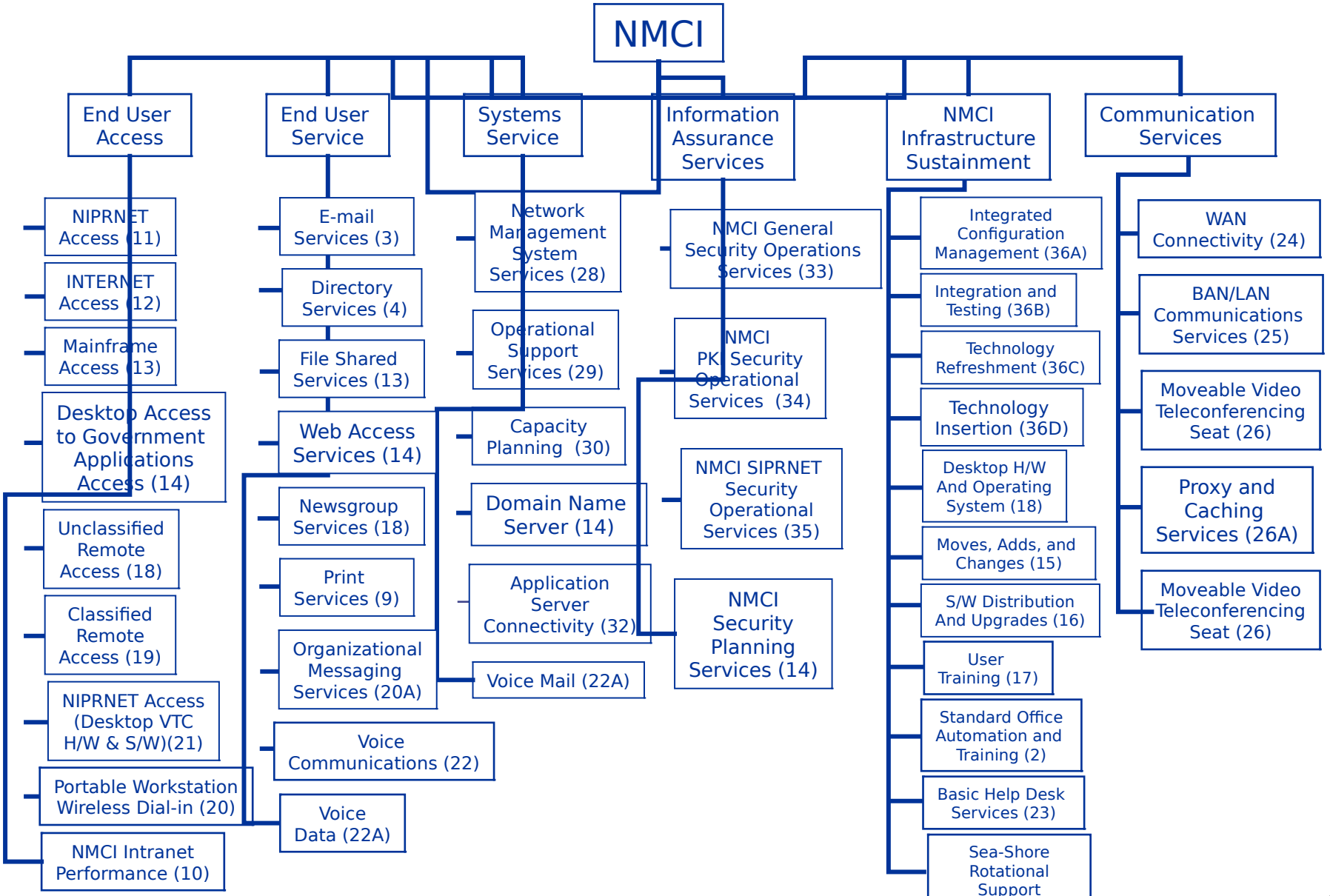
Service Level Agreements


NMCI
End User Access
End User Service
Systems Service
Information Assurance Services
NMCI Infrastructure Sustainment
Communication Services
NIPRNET Access (11)
INTERNET Access (12)
Mainframe Access (13)
Desktop Access to Government Applications Access (14)
Unclassified Remote Access (18)
Classified Remote Access (19)
NIPRNET Access (Desktop VTC H/W & S/W)(21)
Portable Workstation Wireless Dial-in (20)
NMCI Intranet Performance (10)
E-mail Services (3)
Directory Services (4)
File Shared Services (13)
Web Access Services (14)
Newsgroup Services (18)
Print Services (9)
Organizational Messaging Services (20A)
Voice Communications (22)
Voice Data (22A)
Network Management System Services (28)
Operational Support Services (29)
Capacity Planning (30)
Domain Name Server (14)
Application Server Connectivity (32)
Voice Mail (22A)
NMCI General Security Operations Services (33)
NMCI PKI Security Operational Services (34)
NMCI SIPRNET Security Operational Services (35)
NMCI Security Planning Services (14)
Integrated Configuration Management (36A)
Integration and Testing (36B)
Technology Refreshment (36C)
Technology Insertion (36D)
Desktop H/W And Operating System (18)
Moves, Adds, and Changes (15)
S/W Distribution And Upgrades (16)
User Training (17)
Standard Office Automation and Training (2)
Basic Help Desk Services (23)
Sea-Shore Rotational Support Training (37)
WAN Connectivity (24)
BAN/LAN Communications Services (25)
Moveable Video Teleconferencing Seat (26)
Proxy and Caching Services (26A)
Moveable Video Teleconferencing Seat (26)

Performance Measurements

- Measures of Effectiveness (MOE) designed to specify intranet performance required in user defined IT environment
- Detailed SLA performance established, based on the MOEs, for contracting purposes
- Actual performance levels measured and used as the basis for payment and for assessing incentives and credits
- RFP called for Vendor to provide quarterly report of performance with supporting data
  - Propose and justify incentive $$ for quarter
- Quarterly Customer Satisfaction Surveys
  - Drive incentives payment
- Vendor provided details and proof of data collection techniques during proposal review
- Government review of data collection techniques
- Government access to all records – Government inspections
- Unannounced IA attacks

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Incentives

- Not tied to any specific order
  - Centrally funded
  - Each is a liability of the government
- Initial Operational Capability (IOC)
  - One time payment of $10M when all users can order and receive all data services of the NMCI
- Customer Satisfaction
  - Incentivized by an award payment tied to customer satisfaction as determined by quarterly surveys of users
- Information Assurance
  - Reward performance against unannounced “Red Team” attacks on the service provider network
- Small and SDB Participation
  - Reward small and small disadvantaged business participation at a level higher than the contract requirement

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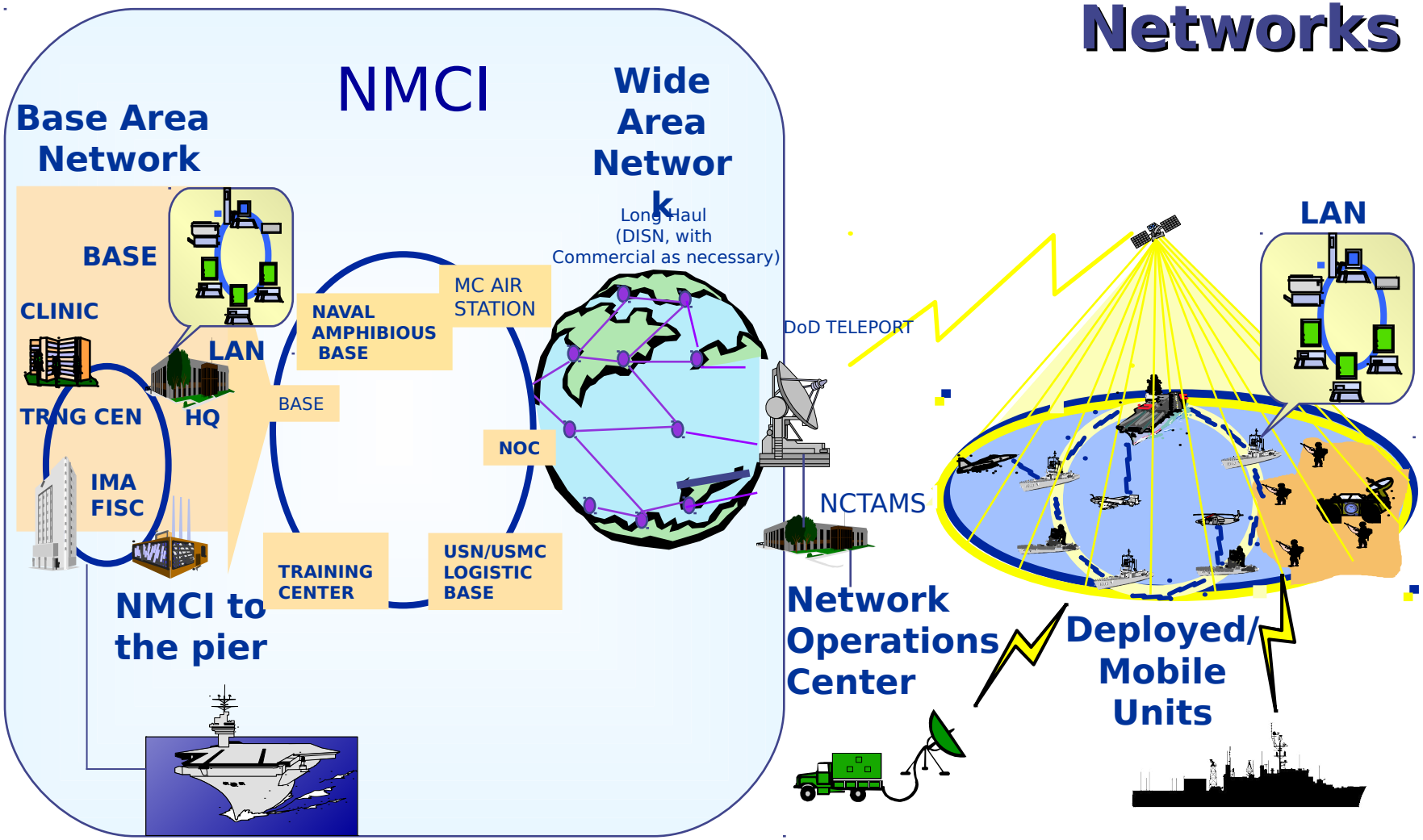
NMCI is the Shore Part of Naval Networks



NMCI – From 1,000 insecure, disparate networks to one secure intra

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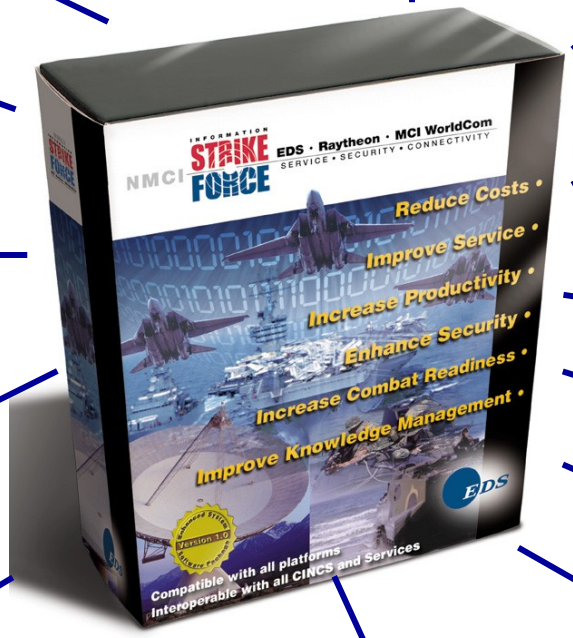
A Network *and* Services

- Security (firewalls, intrusion detection, encryption)
- Wide Area Network Access (DISN, Commercial WAN, internet)
- Desktop hardware with built-in refresh
- All network infrastructure
- Common desktop software suite with built-in refresh
- Pier Services (connectivity, NOC / JFTOC interface)
- Domain Name Service
- Enterprise support functions (Help Desk, Tech Support, etc.)
- User training
- Messaging
- Directory services
- Joint and industry interoperability
- End-to-end network management



A standard set of services…interoperability and security

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Information Assurance Strategy

- Employs DoD Defense-in-Depth Concept
- Maps DITSCAP Certification & Accreditation activities into NMCI deployment strategy
- Meets DISN connection approval requirements
- Uses NSA approved products to protect classified information
- Rolls out DoD Public Key Infrastructure (PKI) within DON
- Ties in with DoD Computer Network Defense (CND) efforts and structure

Information Assurance Measures

- Centralized distribution of vulnerability information
  - Information Assurance Vulnerability Alerts (IAVA)
  - Information Assurance Vulnerability Bulletins (IAVB)
  - Improved ability to respond to Joint Task Force-Computer Network Operations (JTF-CNO) directives
- Configuration control of critical servers
- Improved implementation of new products
  - Technical refreshers
  - Response to new vulnerabilities / threats
- Tested interoperability with Joint Forces/deployed Navy/USMC forces
- Security Assessment Teams (Red/Green) to measure contractor performance for IA
  - Incident Detection
  - Confirmation and review of Service Level Agreement (SLA) compliance
  - Documented system use of audit capabilities
- Includes provisions to provide ISF with up to $5M incentive fee during any 6-month evaluation period for performance in IA

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Progress to Date

- Backbone: DISN and WorldCom vBNS+
- 3 of 4 Network Operations Centers
- 17 of 66 server farms
- 2 Enterprise Help Desks
- 130,000 seats ordered
- 94,000 seats working
- 35,000 “to be” seats cutover to NMCI
- DoD and Congressional approvals
- Contract extended 2 years

NMCI enables Transformation

- Task Force Web
- Enterprise Resource Products pilots
- Web Services
- Task Force Excel
- Functional Area Managers

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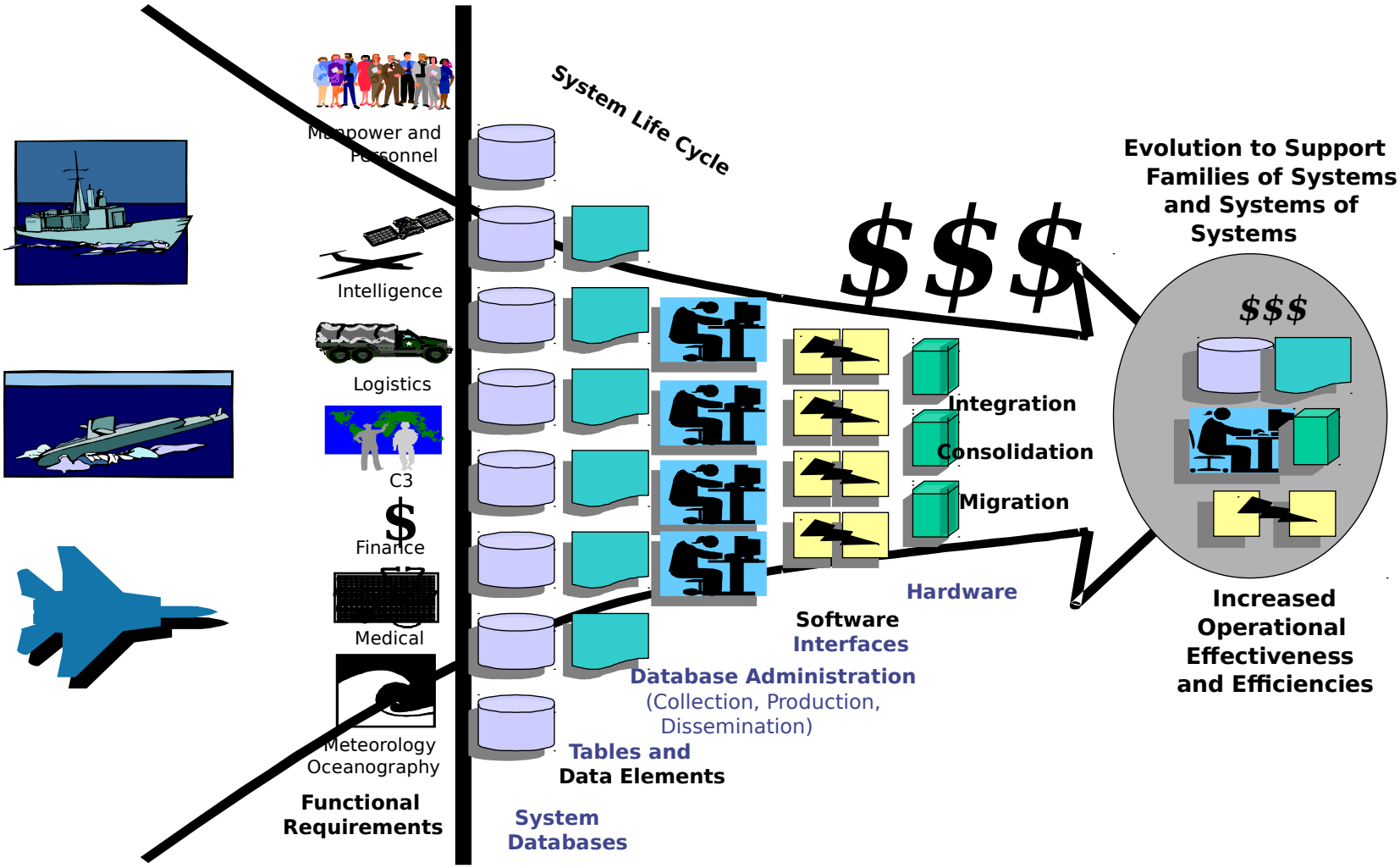
Goal of Web Enabling



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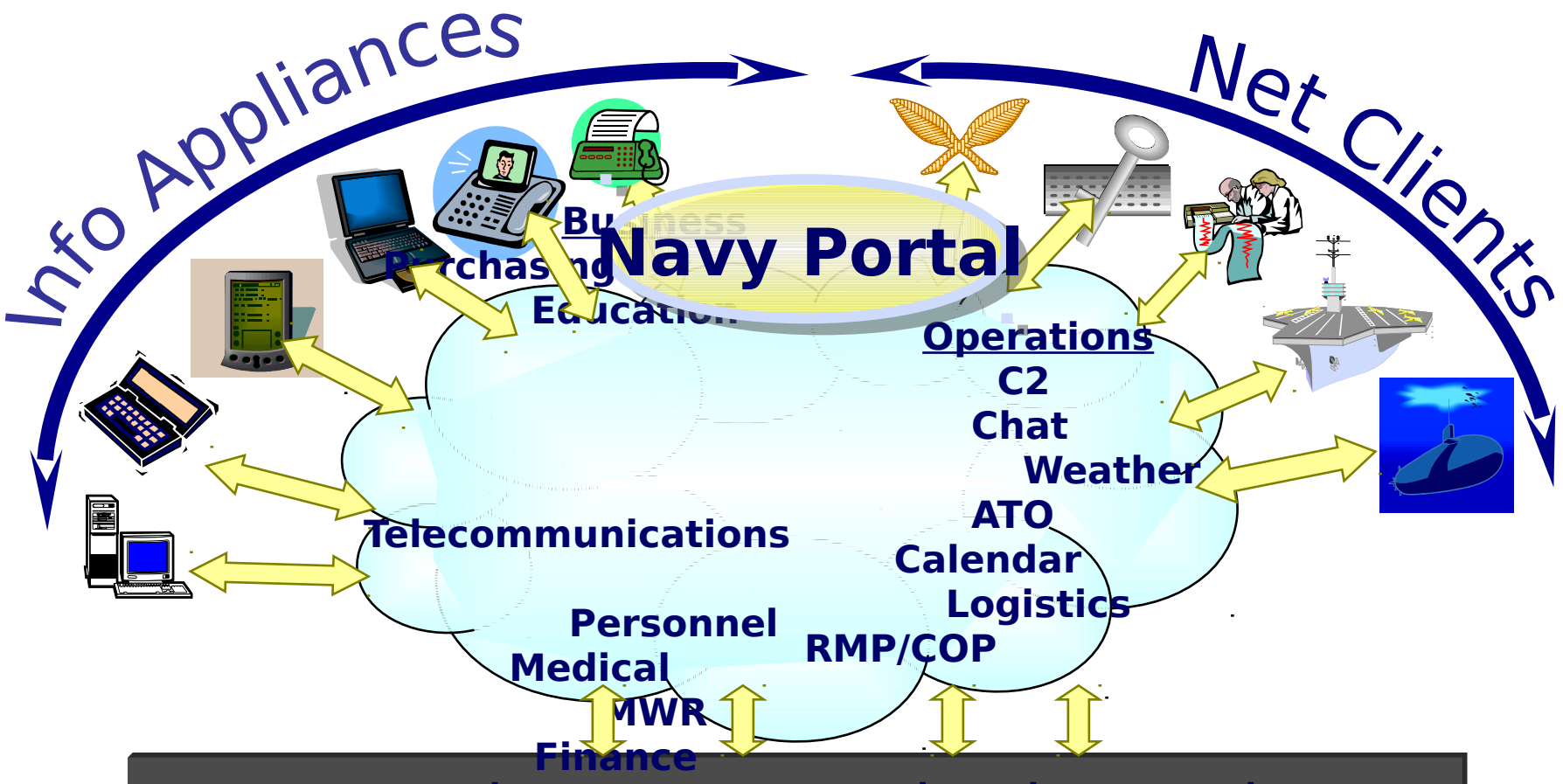
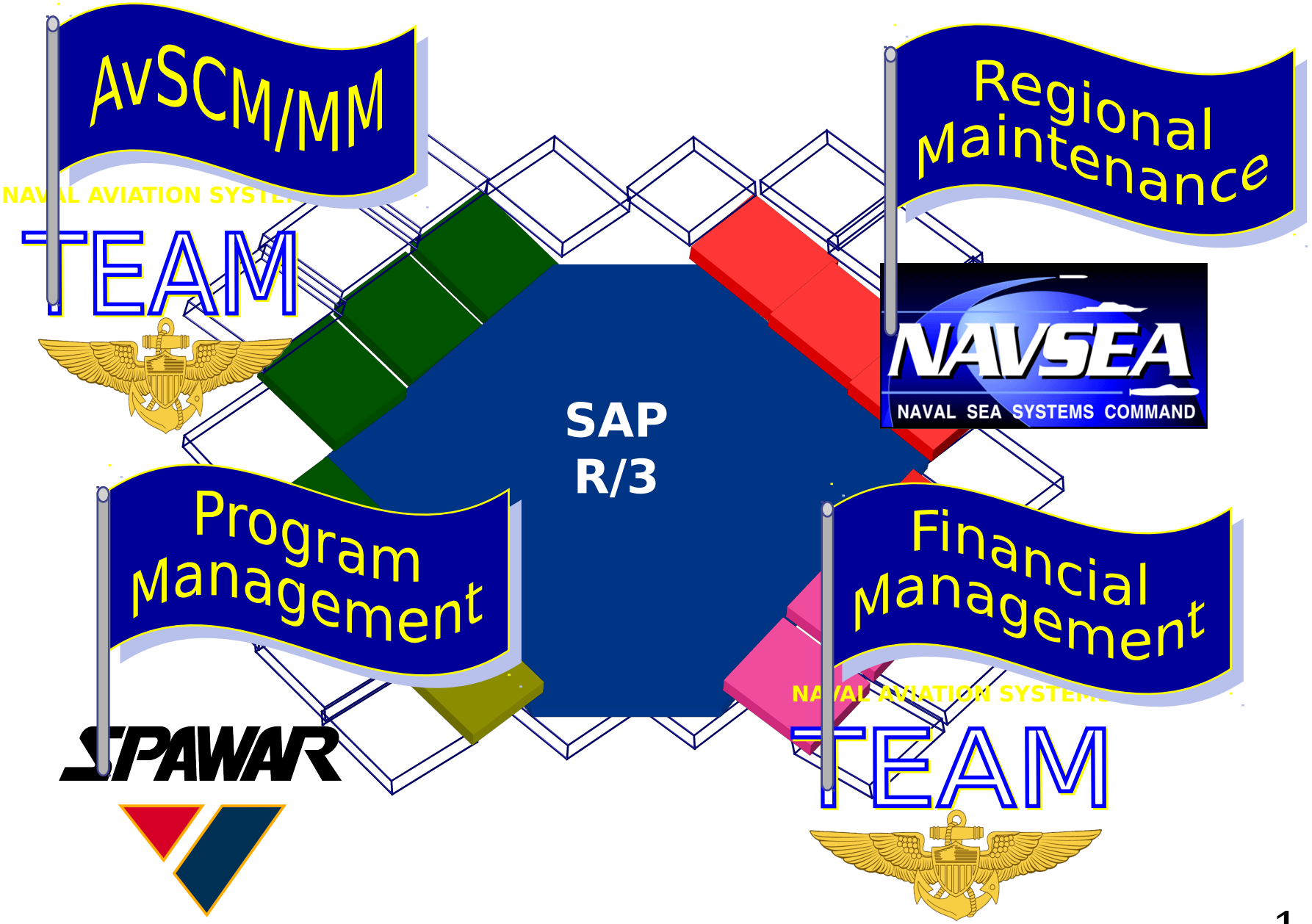
Task Force Web



Databases, Repositories and Applications

Service-centric overlay

ERP Pilots


AVSCM/MM
NAVAL AVIATION SYSTE
TEAM
Regional Maintenance
NAVSEA
NAVAL SEA SYSTEMS COMMAND
SAP
R/3
Program Management
SPAWAR
Financial Management
NAVAL AVIATION SYSTE
TEAM

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BUPERS Web Services

- Proposed pilot project
- Will provide visibility into process of mobilizing / demobilizing individual reservists
- Modifies existing applications or creates modules to enable command to track entire process
- Adapts existing systems to modern data base, makes them accessible to web browser and allows use as XML web services
- Provides infrastructure to support XML web services architecture, training and integration with existing infrastructure (NMCI)

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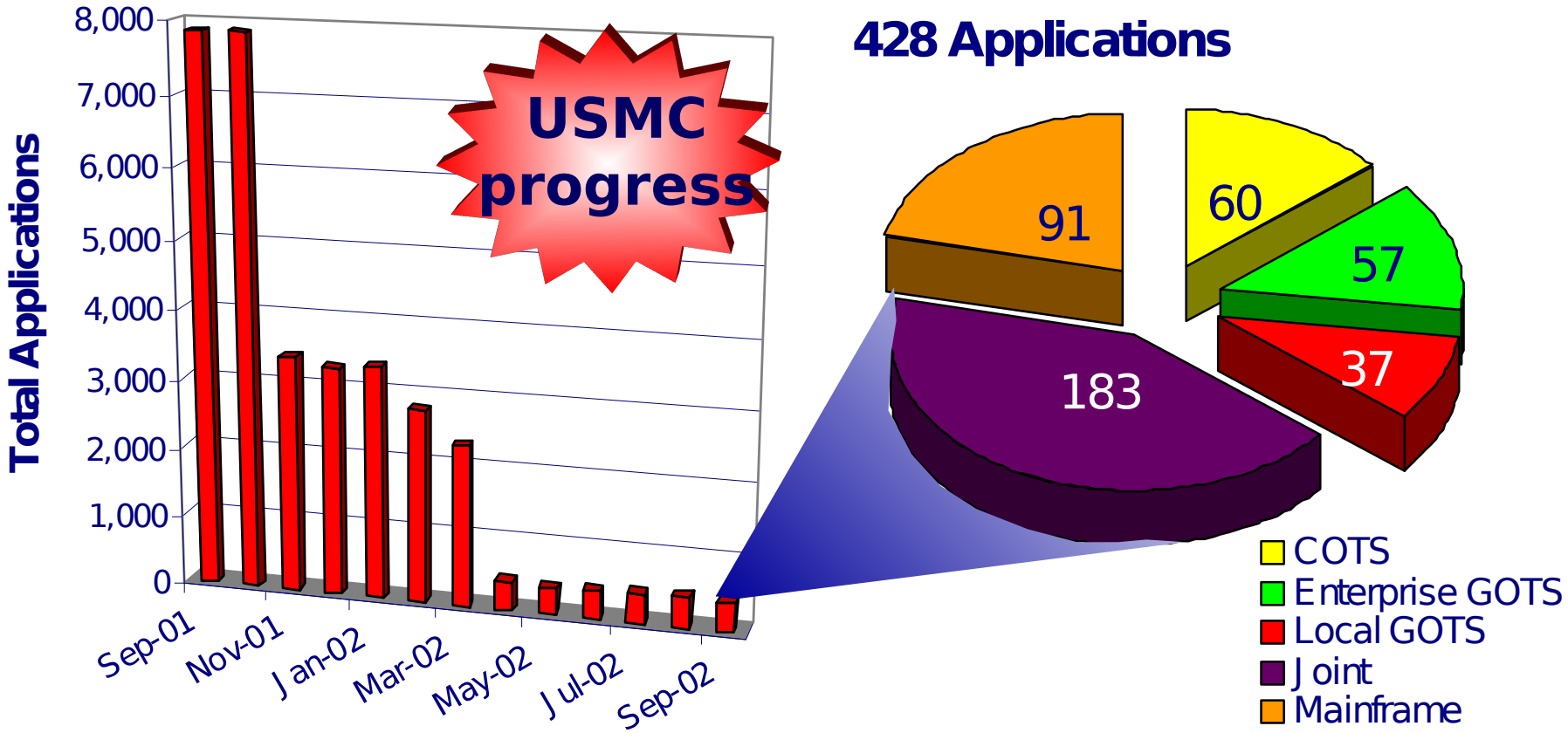
Reducing Applications

- 23 Functional Area managers – 1 for each function
- 100,000 ➡ 30,000 applications in 5 months



Progress requires discipline and

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Challenges

- Active Directory management
- Wireless
- OWA / SWA from home
- Reserve access
- Server consolidation
- Digital ID management
- ERP pilot coordination

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Questions ?